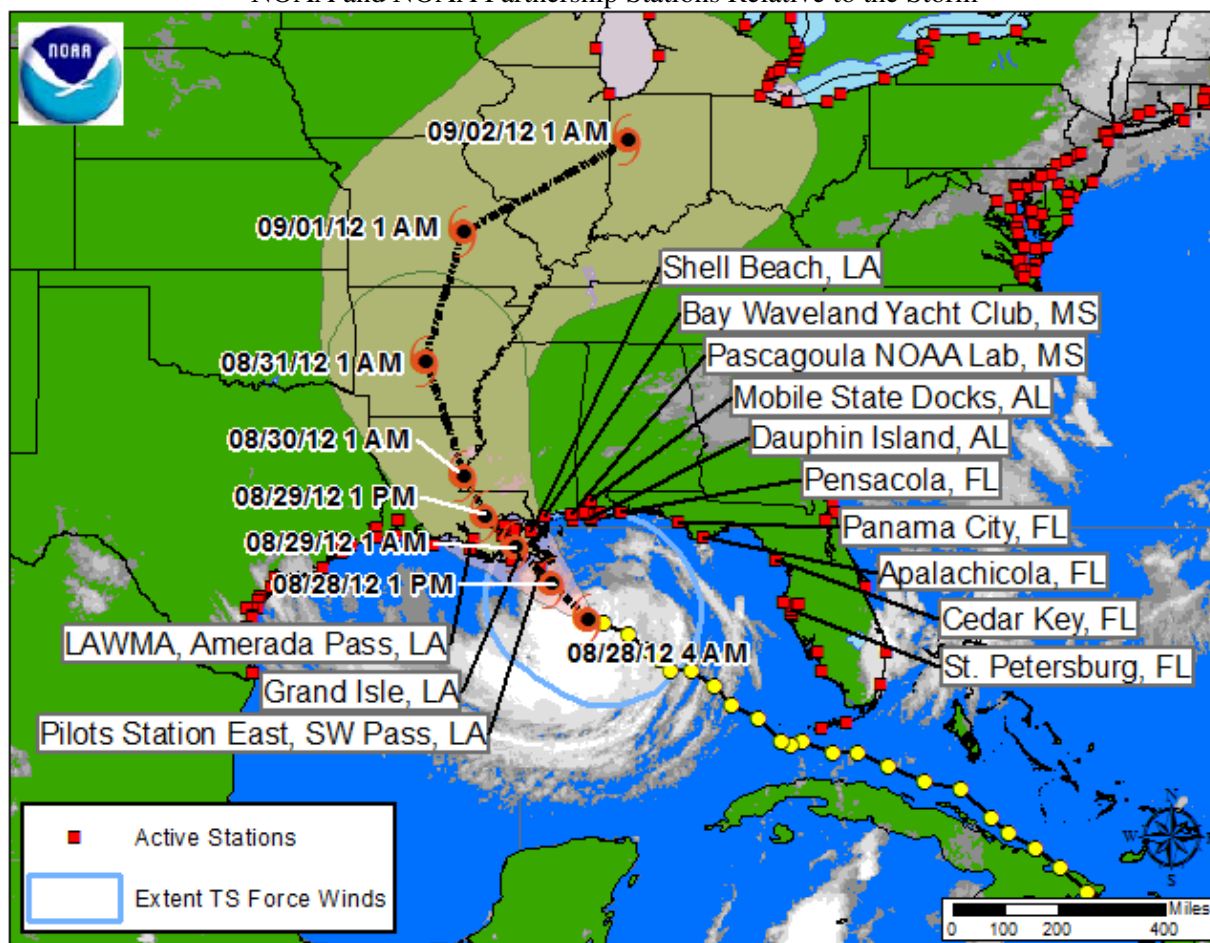




Tropical Storm ISAAC QuickLook
Posted: 05:00 CDT 08/28/2012

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 08/28/2012 05:00 CDT, water levels along the Gulf coast from Florida to Louisiana are rising. Water levels along the Florida panhandle from Cedar Key to Pensacola are between 1.1 and 3.2 feet above tidal predictions. Water levels from Alabama to Mississippi range from 1 to 2 feet above tidal predictions, however water levels in northern Mobile Bay remain at or near tidal predictions. Water levels along southeastern Louisiana from Shell Beach to Grand Isle are elevated between 0.8 and 2.4 feet above tidal predictions.

Winds from the Florida Panhandle to southeastern Louisiana are increasing and generally range from 10-30 knots with higher gusts, however winds at Pilots Station East, SW Pass, LA are measuring 40 knots with gusts up to 50 knots. Barometric pressure continues to fall across the region.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Tropical Storm ISAAC QuickLook, POSTED 05:00 CDT 08/28/2012

Apalachicola, FL: Next predicted high tides are 1.8 ft (0.56 m) at 08/28/2012 13:08 EDT and 1.5 ft (0.48 m) at 08/29/2012 04:30 EDT.

Panama City, FL: Next predicted high tides are 1.8 ft (0.54 m) at 08/28/2012 08:20 CDT and 1.7 ft (0.52 m) at 08/29/2012 09:23 CDT.

Pensacola, FL: Next predicted high tides are 1.8 ft (0.55 m) at 08/28/2012 09:09 CDT and 1.7 ft (0.52 m) at 08/29/2012 10:10 CDT.

Dauphin Island, AL: Next predicted high tides are 1.6 ft (0.50 m) at 08/28/2012 08:29 CDT and 1.5 ft (0.47 m) at 08/29/2012 09:26 CDT.

Coast Guard Sector Mobile, AL: Next predicted high tides are 1.6 ft (0.50 m) at 08/28/2012 10:39 CDT and 1.5 ft (0.48 m) at 08/29/2012 11:34 CDT.

Pascagoula NOAA Lab, MS: Next predicted high tides are 1.6 ft (0.50 m) at 08/28/2012 08:10 CDT and 1.6 ft (0.48 m) at 08/29/2012 09:49 CDT.

Bay Waveland Yacht Club, MS: Next predicted high tides are 2.0 ft (0.60 m) at 08/28/2012 09:14 CDT and 1.9 ft (0.57 m) at 08/29/2012 10:51 CDT.

Shell Beach, LA: Next predicted high tides are 1.5 ft (0.44 m) at 08/28/2012 11:21 CDT and 1.3 ft (0.41 m) at 08/29/2012 12:45 CDT.

Pilots Station East, SW Pass, LA: Next predicted high tides are 1.6 ft (0.49 m) at 08/28/2012 07:25 CDT and 1.5 ft (0.47 m) at 08/29/2012 08:34 CDT.

Grand Isle, LA: Next predicted high tides are 1.4 ft (0.44 m) at 08/28/2012 08:11 CDT and 1.4 ft (0.42 m) at 08/29/2012 09:17 CDT.

LAWMA, Amerada Pass, LA: Next predicted high tides are 1.2 ft (0.37 m) at 08/28/2012 13:19 CDT and 1.4 ft (0.44 m) at 08/29/2012 04:05 CDT.

St. Petersburg, FL: Next predicted high tides are 2.7 ft (0.82 m) at 08/28/2012 12:00 EDT and 1.8 ft (0.54 m) at 08/29/2012 02:20 EDT.

Cedar Key, FL: Next predicted high tides are 4.2 ft (1.27 m) at 08/28/2012 11:48 EDT and 3.4 ft (1.06 m) at 08/29/2012 01:28 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:PFF

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:BULLETIN
TROPICAL STORM ISAAC ADVISORY NUMBER 29
NWS NATIONAL HURRICANE CENTER MIAMI FL

400 AM CDT TUE AUG 28 2012

...ISAAC ON THE VERGE OF BECOMING A HURRICANE...SIGNIFICANT STORM SURGE AND FRESHWATER FLOOD THREAT TO THE NORTHERN GULF COAST...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY...

THE TROPICAL STORM WARNING IS EXTENDED WESTWARD ALONG THE NORTHERN GULF COAST TO CAMERON LOUISIANA.

THE TROPICAL STORM WATCH IS EXTENDED WESTWARD ALONG THE NORTHERN GULF COAST TO JUST EAST OF HIGH ISLAND TEXAS.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A HURRICANE WARNING IS IN EFFECT FOR...

* EAST OF MORGAN CITY LOUISIANA TO THE ALABAMA-FLORIDA BORDER... INCLUDING METROPOLITAN NEW ORLEANS...LAKE PONTCHARTRAIN...AND LAKE MAUREPAS

A HURRICANE WATCH IS IN EFFECT FOR...

* INTRACOASTAL CITY TO MORGAN CITY LOUISIANA

A TROPICAL STORM WARNING IS IN EFFECT FOR...

* THE ALABAMA-FLORIDA BORDER TO THE AUCILLA RIVER

* MORGAN CITY TO CAMERON LOUISIANA

A TROPICAL STORM WATCH IS IN EFFECT FOR...

* EAST OF HIGH ISLAND TEXAS TO JUST WEST OF CAMERON LOUISIANA

A HURRICANE WARNING MEANS THAT HURRICANE CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA. PREPARATIONS TO PROTECT LIFE AND PROPERTY SHOULD BE RUSHED TO COMPLETION.

A HURRICANE WATCH MEANS THAT HURRICANE CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA.

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA.

A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 400 AM CDT THE CENTER OF TROPICAL STORM ISAAC WAS LOCATED ABOUT 125 MI SSE

OF THE MOUTH OF THE MISSISSIPPI RIVER ABOUT 205 MI SSE OF BILOXI MISSISSIPPI. ISAAC IS MOVING TOWARD THE NORTHWEST NEAR 12 MPH AND THIS GENERAL MOTION IS EXPECTED TO CONTINUE FOR THE NEXT DAY OR TWO WITH A DECREASE IN FORWARD SPEED. ON THE FORECAST TRACK...THE CENTER WILL BE NEAR OR OVER THE LOUISIANA COAST TONIGHT OR EARLY WEDNESDAY.

MAXIMUM SUSTAINED WINDS ARE NEAR 70 MPH WITH HIGHER GUSTS. STRENGTHENING IS FORECAST...AND ISAAC IS LIKELY TO BECOME A HURRICANE LATER TODAY. ADDITIONAL STRENGTHENING IS FORECAST UNTIL THE CENTER MOVES INLAND.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 205 MILES FROM THE CENTER.

THE MINIMUM CENTRAL PRESSURE REPORTED BY AN AIR FORCE RESERVE HURRICANE HUNTER AIRCRAFT WAS 977 MB...28.85 INCHES.

HAZARDS AFFECTING LAND

STORM SURGE...THE COMBINATION OF A STORM SURGE AND THE TIDE WILL CAUSE NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS. THE WATER COULD REACH THE FOLLOWING DEPTHS ABOVE GROUND IF THE PEAK SURGE OCCURS AT THE TIME OF HIGH TIDE...

- * SOUTHEAST LOUISIANA AND MISSISSIPPI...6 TO 12 FT
- * ALABAMA...4 TO 8 FT
- * SOUTH-CENTRAL LOUISIANA...3 TO 6 FT
- * FLORIDA PANHANDLE...3 TO 6 FT
- * FLORIDA WEST COAST INCLUDING APALACHEE BAY...1 TO 3 FT

THE DEEPEST WATER WILL OCCUR ALONG THE IMMEDIATE COAST IN AREAS OF ONSHORE WINDS. SURGE-RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE...AND CAN VARY GREATLY OVER SHORT DISTANCES. FOR INFORMATION SPECIFIC TO YOUR AREA...PLEASE SEE PRODUCTS ISSUED BY YOUR LOCAL WEATHER SERVICE OFFICE. NEAR THE COAST...THE SURGE WILL BE ACCOMPANIED BY LARGE AND DANGEROUS WAVES.

WIND...TROPICAL STORM CONDITIONS ARE EXPECTED TO REACH THE NORTHERN GULF COAST IN THE HURRICANE WARNING AREA THIS MORNING...WITH HURRICANE CONDITIONS EXPECTED BY THIS AFTERNOON.

TROPICAL STORM CONDITIONS ARE EXPECTED TO SPREAD NORTHWARD INTO THE FLORIDA BIG BEND AREA AND THE FLORIDA PANHANDLE IN THE TROPICAL STORM WARNING AREA THIS MORNING.

TROPICAL STORM CONDITIONS ARE EXPECTED WITHIN THE TROPICAL STORM WARNING AREA IN LOUISIANA BY TONIGHT. TROPICAL STORM CONDITIONS ARE POSSIBLE ON THE COAST OF SOUTHWESTERN LOUISIANA AND THE UPPER TEXAS COAST BY TONIGHT OR EARLY WEDNESDAY.

RAINFALL...ISAAC IS EXPECTED TO PRODUCE TOTAL RAINFALL AMOUNTS OF 7 TO 14 INCHES...WITH POSSIBLE ISOLATED MAXIMUM AMOUNTS OF 20 INCHES...IN SOUTHEASTERN

LOUISIANA...SOUTHERN MISSISSIPPI... SOUTHERN ALABAMA...AND THE EXTREME WESTERN FLORIDA PANHANDLE. THESE RAINS COULD RESULT IN SIGNIFICANT LOWLAND FLOODING.

TORNADOES...TORNADOES MAY OCCUR ALONG THE NORTHERN GULF COAST TODAY.

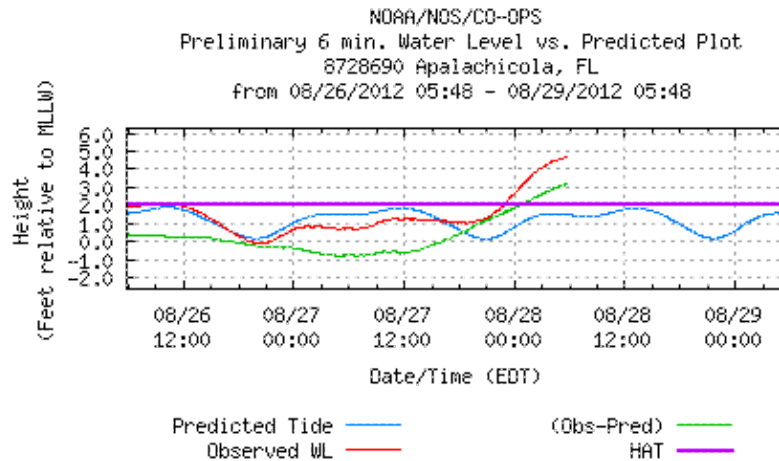
SURF...DANGEROUS SURF AND RIP CURRENT CONDITIONS WILL CONTINUE TO AFFECT THE FLORIDA COASTLINE AND PORTIONS OF THE NORTHERN GULF COAST FOR THE NEXT DAY OR SO.

FORECASTER PASCH

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Apalachicola - Water Level](#), [Apalachicola - Winds](#), [Apalachicola - Barometric](#), [Panama City - Water Level](#), [Panama City - Winds](#), [Panama City - Barometric](#), [Pensacola - Water Level](#), [Pensacola - Winds](#), [Dauphin Island - Water Level](#), [Dauphin Island - Winds](#), [Dauphin Island - Barometric](#), [Mobile State Docks - Water Level](#), [Coast Guard Sector Mobile - Winds](#), [Coast Guard Sector Mobile - Barometric](#), [Pascagoula NOAA Lab - Water Level](#), [Dock C, Port of Pascagoula - Winds](#), [Dock C, Port of Pascagoula - Barometric](#), [Bay Waveland Yacht Club - Water Level](#), [Bay Waveland Yacht Club - Winds](#), [Bay Waveland Yacht Club - Barometric](#), [Shell Beach - Water Level](#), [Shell Beach - Winds](#), [Shell Beach - Barometric](#), [Pilots Station East, SW Pass - Water Level](#), [Pilots Station East, SW Pass - Winds](#), [Pilots Station East, SW Pass - Barometric](#), [Grand Isle - Water Level](#), [Grand Isle - Winds](#), [Grand Isle - Barometric](#), [LAWMA, Amerada Pass - Water Level](#), [LAWMA, Amerada Pass - Winds](#), [LAWMA, Amerada Pass - Barometric](#), [St. Petersburg - Water Level](#), [St. Petersburg - Winds](#), [Cedar Key - Water Level](#), [Cedar Key - Winds](#),

[Apalachicola, FL - Return to List](#)

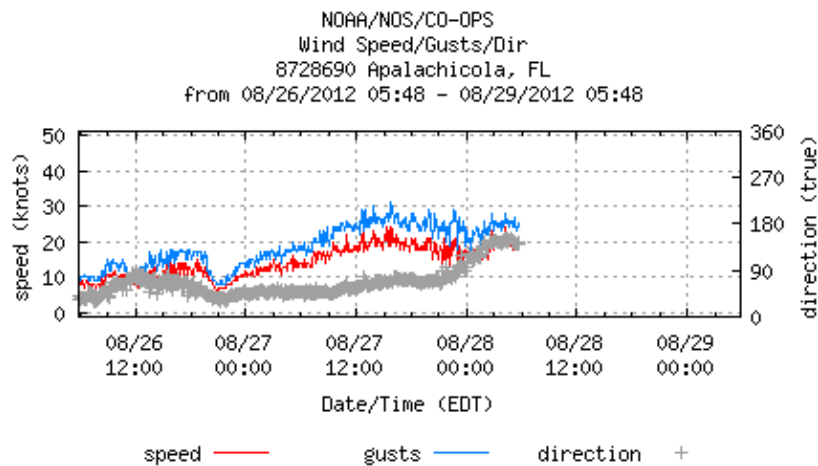


Last Observed Sample: 08/28/2012 05:48 (EDT)

Relative to MLLW: **Observed: 4.74 ft.** **Predicted: 1.47 ft.** **Residual: 3.27 ft.**

Historical Maximum Water Level: Jul 10 2005, 6.43 ft. above MHHW

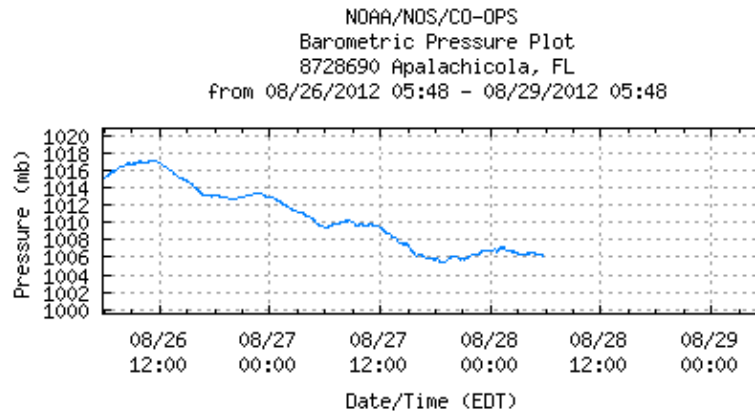
[Apalachicola, FL - Return to List](#)



Last Observed Sample: 08/28/2012 05:48 (EDT)

Wind Speed: 20 knots **Gusts: 25 knots** **Direction: 143° T**

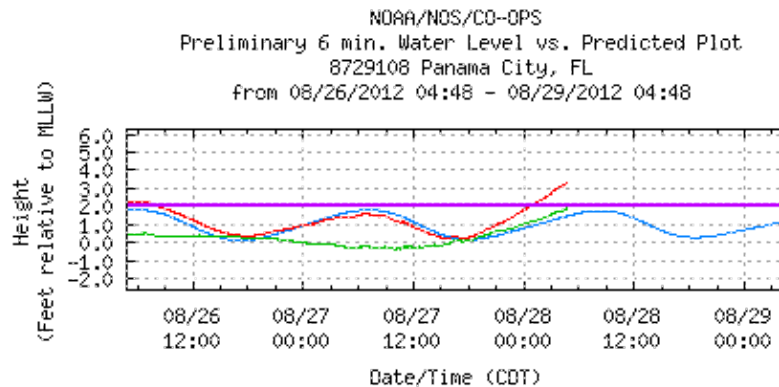
Apalachicola, FL - Return to List



Last Observed Sample: 08/28/2012 05:48 (EDT)

Barometric Pressure: 1006.1 mb

Panama City, FL - Return to List

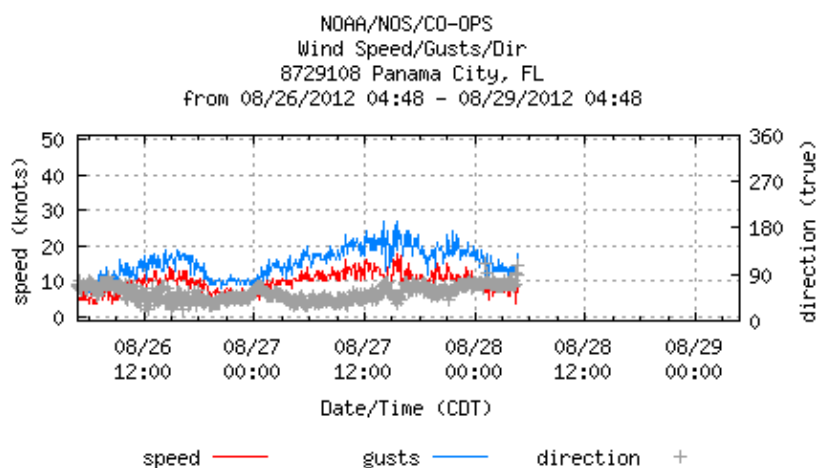


Last Observed Sample: 08/28/2012 04:48 (CDT)

Relative to MLLW: **Observed: 3.34 ft.** **Predicted: 1.47 ft.** **Residual: 1.87 ft.**

Historical Maximum Water Level: Oct 4 1995, 5.72 ft. above MHHW

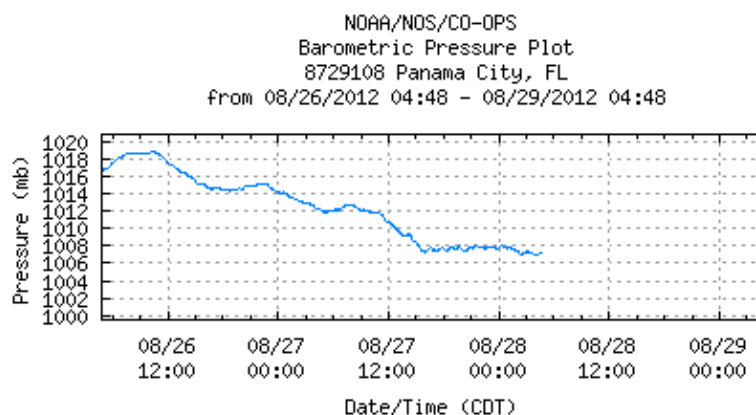
Panama City, FL - Return to List



Last Observed Sample: 08/28/2012 04:48 (CDT)

Wind Speed: 9 knots Gusts: 15 knots Direction: 92° T

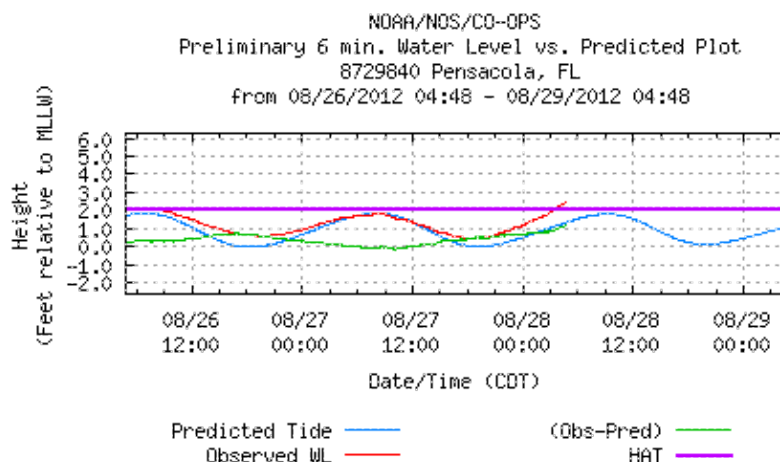
Panama City, FL - Return to List



Last Observed Sample: 08/28/2012 04:48 (CDT)

Barometric Pressure: 1007.2 mb

Pensacola, FL - Return to List

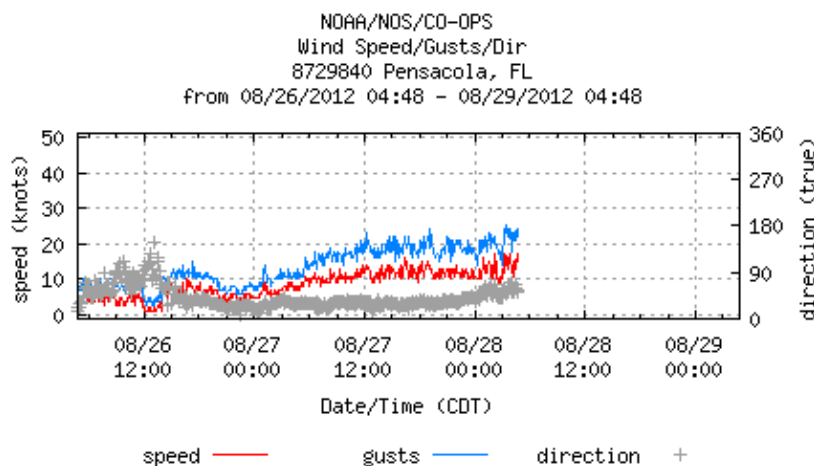


Last Observed Sample: 08/28/2012 04:42 (CDT)

Relative to MLLW: **Observed: 2.45 ft.** **Predicted: 1.32 ft.** **Residual: 1.13 ft.**

Historical Maximum Water Level: Sep 18 1926, 7.41 ft. above MHHW

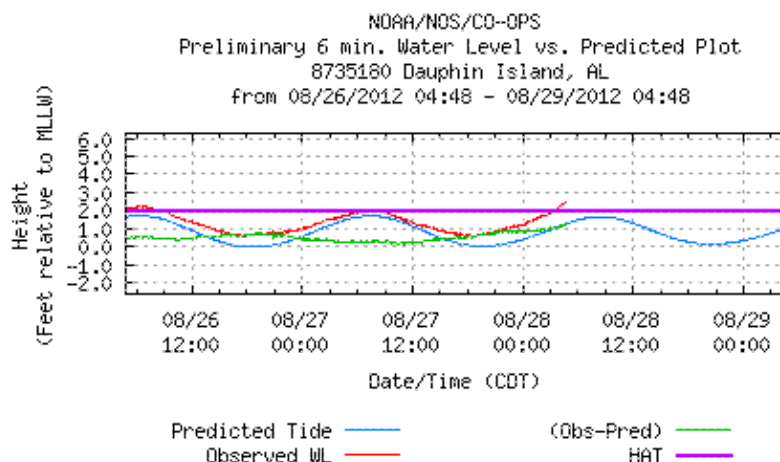
Pensacola, FL - Return to List



Last Observed Sample: 08/28/2012 04:42 (CDT)

Wind Speed: 15 knots **Gusts: 22 knots** **Direction: 54° T**

Dauphin Island, AL - Return to List

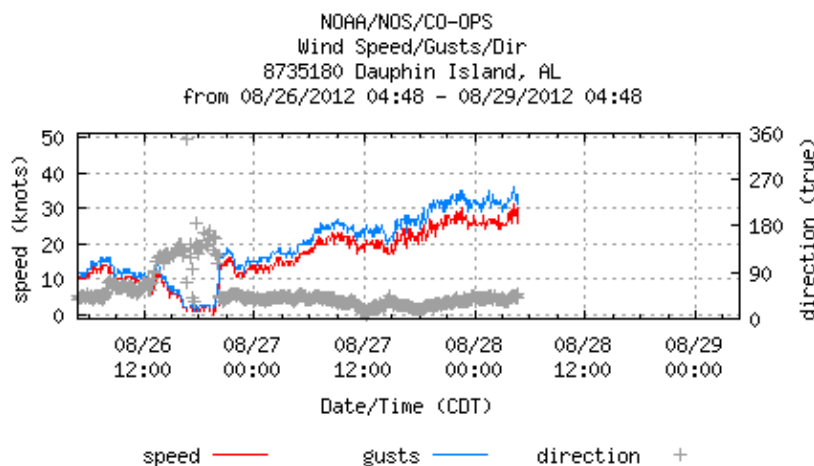


Last Observed Sample: 08/28/2012 04:42 (CDT)

Relative to MLLW: **Observed: 2.49 ft.** **Predicted: 1.25 ft.** **Residual: 1.24 ft.**

Historical Maximum Water Level: Sep 16 2004, 5.94 ft. above MHHW

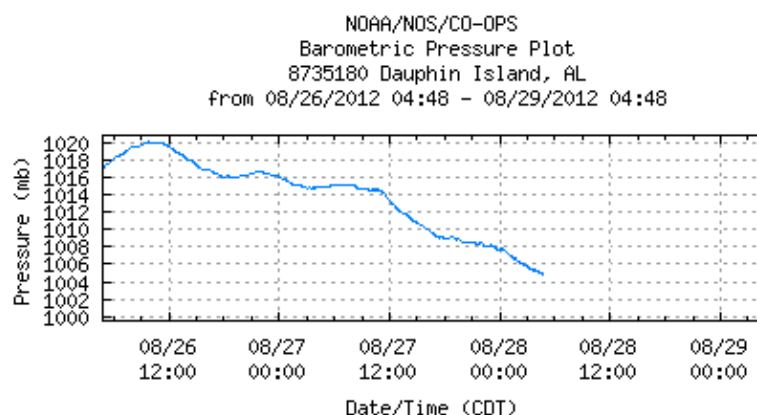
Dauphin Island, AL - Return to List



Last Observed Sample: 08/28/2012 04:42 (CDT)

Wind Speed: 26 knots **Gusts: 31 knots** **Direction: 41° T**

Dauphin Island, AL - Return to List

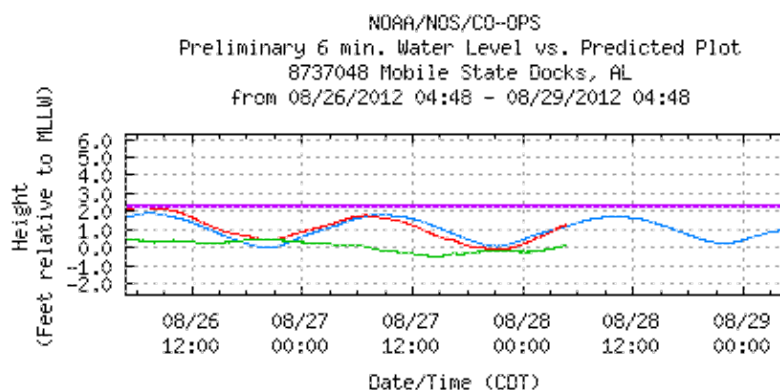


barometric pressure —

Last Observed Sample: 08/28/2012 04:42 (CDT)

Barometric Pressure: 1004.8 mb

Mobile State Docks, AL - Return to List



Predicted Tide —

Observed WL —

(Obs-Pred) —

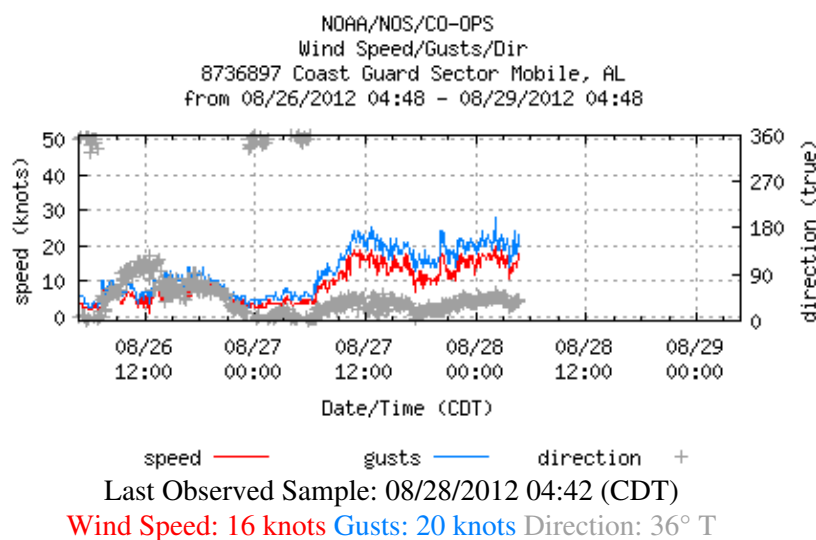
HAT —

Last Observed Sample: 08/28/2012 04:42 (CDT)

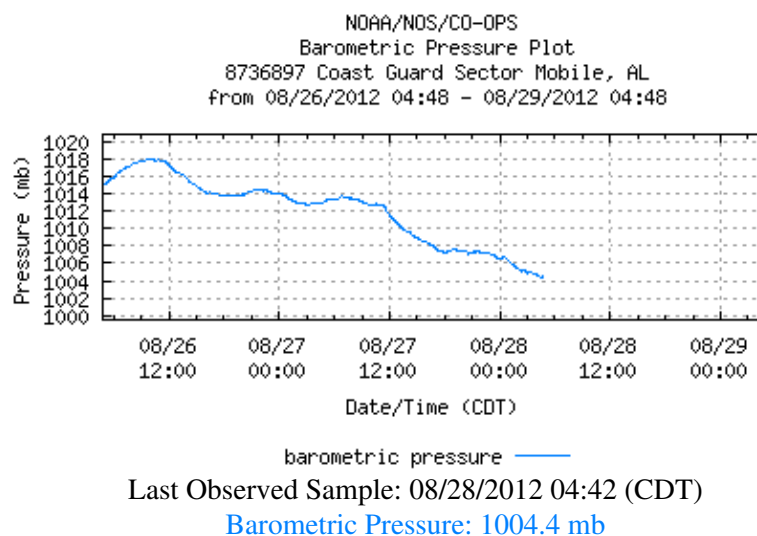
Relative to MLLW: **Observed: 1.25 ft.** **Predicted: 1.16 ft.** **Residual: 0.09 ft.**

Historical Maximum Water Level: Sep 26 2002, 3.65 ft. above MHHW

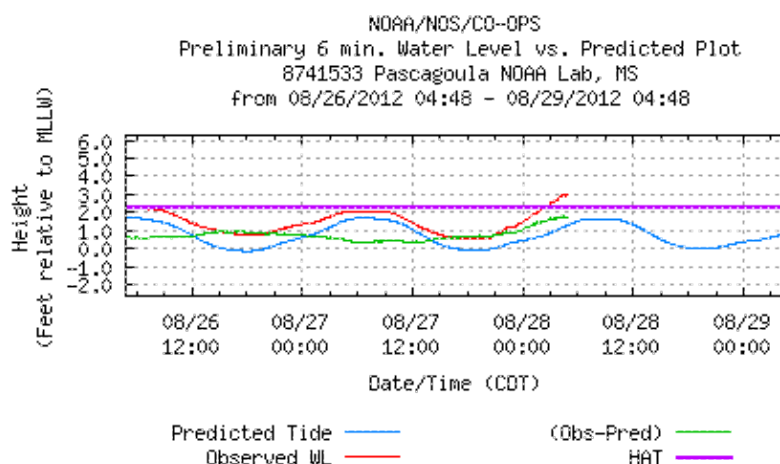
Coast Guard Sector Mobile, AL - Return to List



Coast Guard Sector Mobile, AL - Return to List



Pascagoula NOAA Lab, MS - Return to List

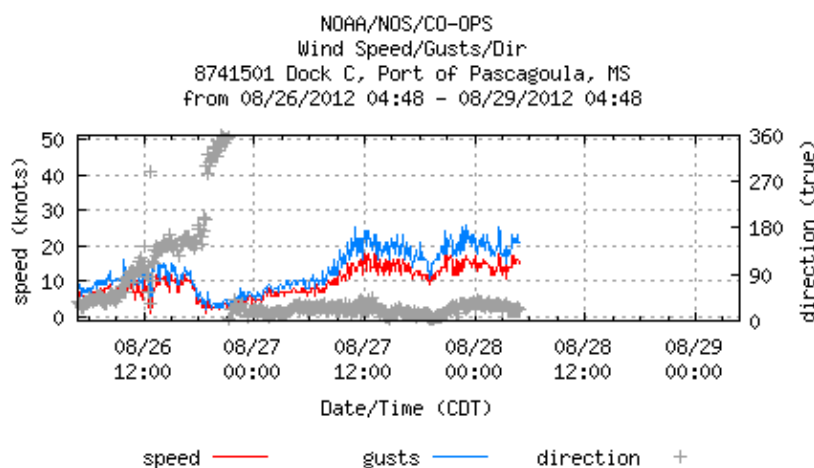


Last Observed Sample: 08/28/2012 04:48 (CDT)

Relative to MLLW: **Observed: 3.01 ft.** **Predicted: 1.27 ft.** **Residual: 1.74 ft.**

Historical Maximum Water Level: Sep 1 2008, 4.9 ft. above MHHW

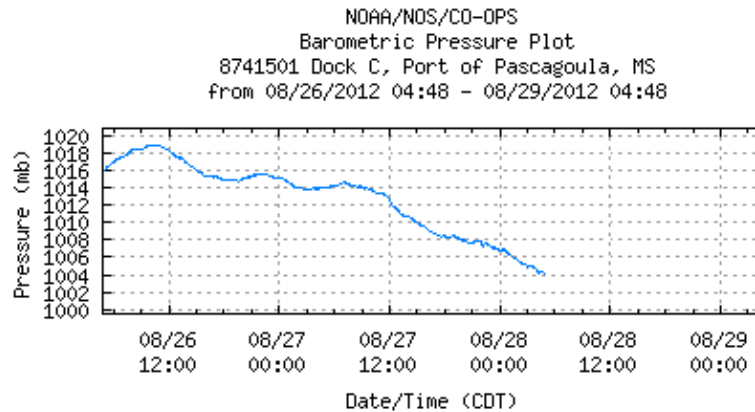
Dock C, Port of Pascagoula, MS - Return to List



Last Observed Sample: 08/28/2012 04:48 (CDT)

Wind Speed: 15 knots **Gusts: 21 knots** **Direction: 22° T**

Dock C, Port of Pascagoula, MS - [Return to List](#)

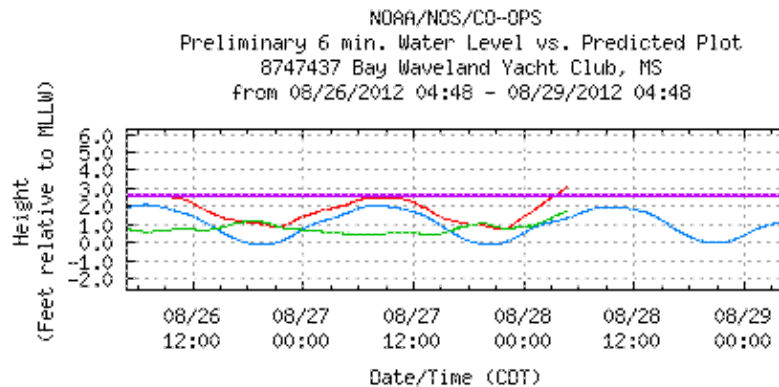


barometric pressure —

Last Observed Sample: 08/28/2012 04:48 (CDT)

Barometric Pressure: 1004.2 mb

Bay Waveland Yacht Club, MS - [Return to List](#)



Predicted Tide —

(Obs-Pred) —

Observed WL —

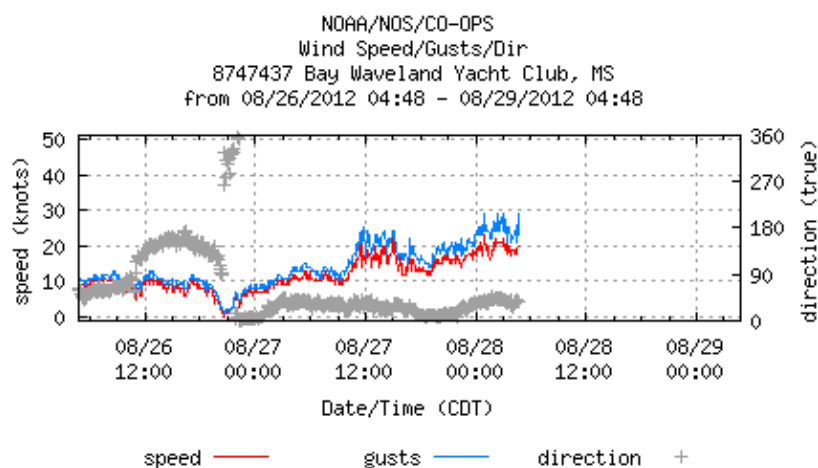
HAT —

Last Observed Sample: 08/28/2012 04:42 (CDT)

Relative to MLLW: Observed: 3.09 ft. Predicted: 1.34 ft. Residual: 1.75 ft.

Historical Maximum Water Level: Sep 1 2008, 9.16 ft. above MHHW

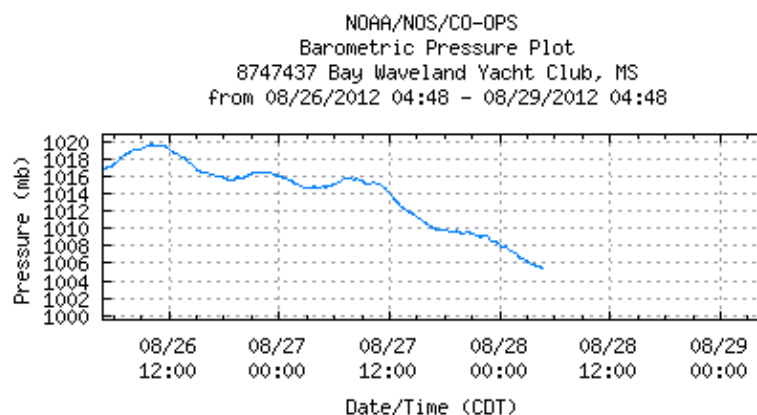
[Bay Waveland Yacht Club, MS - Return to List](#)



Last Observed Sample: 08/28/2012 04:42 (CDT)

Wind Speed: 20 knots Gusts: 23 knots Direction: 36° T

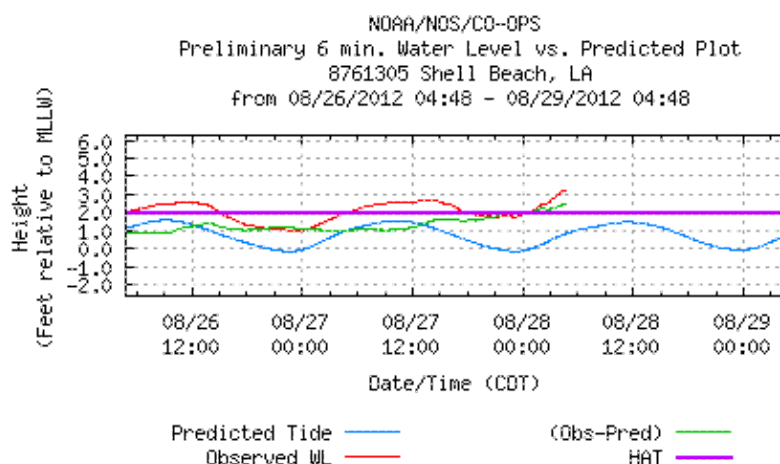
[Bay Waveland Yacht Club, MS - Return to List](#)



Last Observed Sample: 08/28/2012 04:42 (CDT)

Barometric Pressure: 1005.5 mb

Shell Beach, LA - Return to List

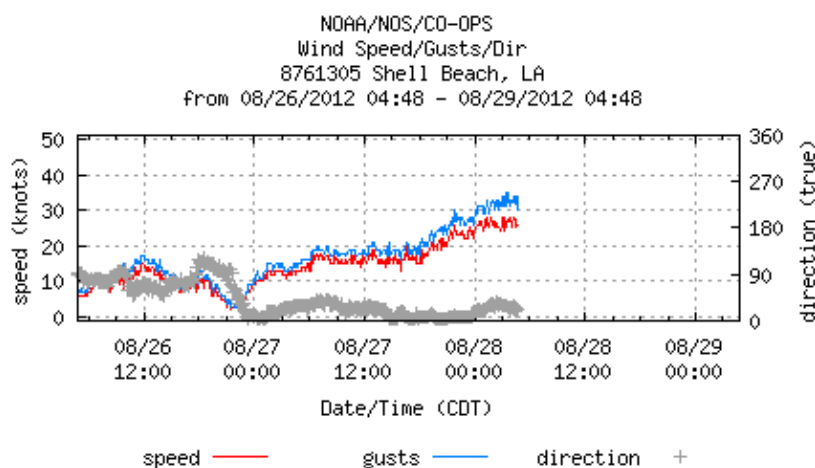


Last Observed Sample: 08/28/2012 04:42 (CDT)

Relative to MLLW: **Observed: 3.23 ft.** **Predicted: 0.81 ft.** **Residual: 2.42 ft.**

Historical Maximum Water Level: Sep 1 2008, 8.78 ft. above MHHW

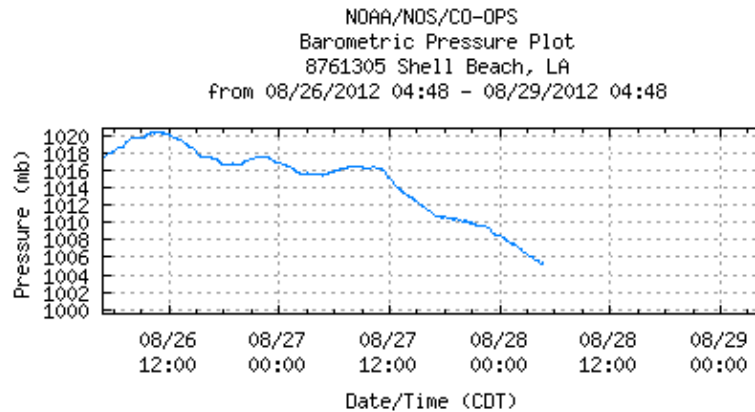
Shell Beach, LA - Return to List



Last Observed Sample: 08/28/2012 04:42 (CDT)

Wind Speed: 26 knots **Gusts: 34 knots** **Direction: 21° T**

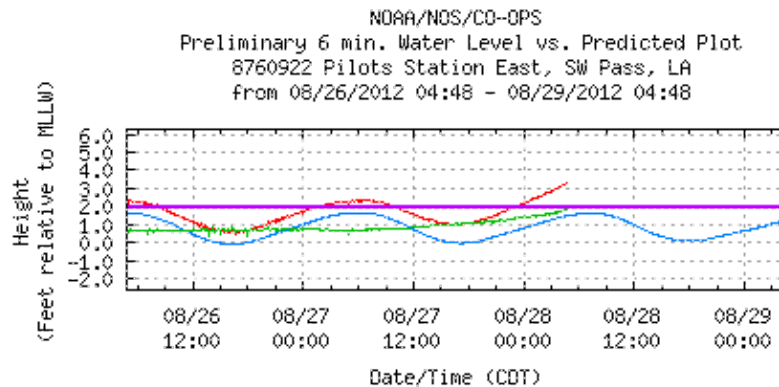
Shell Beach, LA - Return to List



Last Observed Sample: 08/28/2012 04:42 (CDT)

Barometric Pressure: 1005.2 mb

Pilots Station East, SW Pass, LA - Return to List



Predicted Tide —

Observed WL —

(Obs-Pred) —

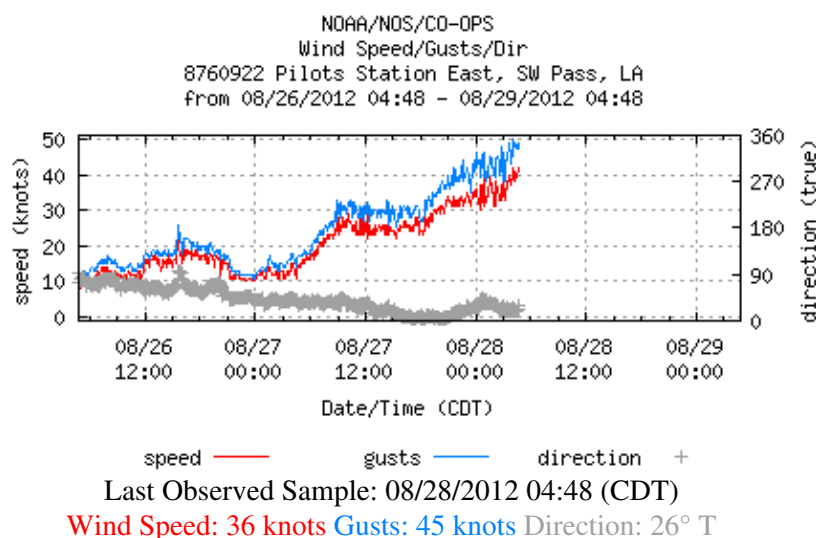
HAT —

Last Observed Sample: 08/28/2012 04:48 (CDT)

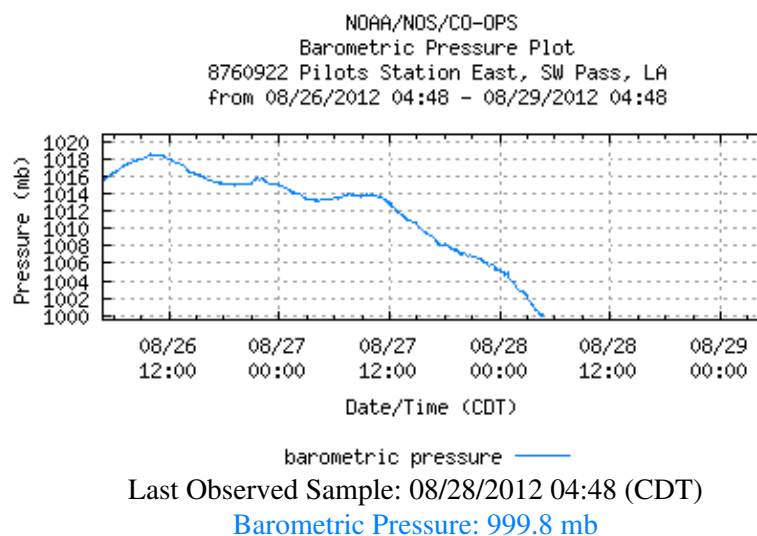
Relative to MLLW: **Observed: 3.29 ft.** **Predicted: 1.48 ft.** **Residual: 1.81 ft.**

Historical Maximum Water Level: Aug 29 2005, 6.22 ft. above MHHW

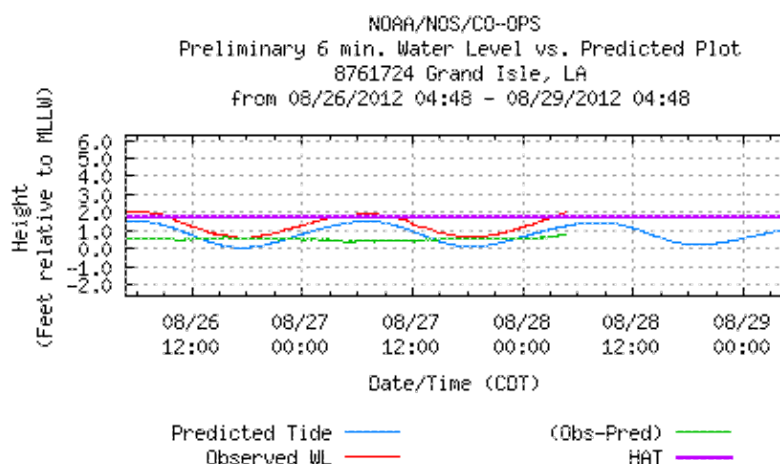
Pilots Station East, SW Pass, LA - Return to List



Pilots Station East, SW Pass, LA - Return to List



Grand Isle, LA - Return to List

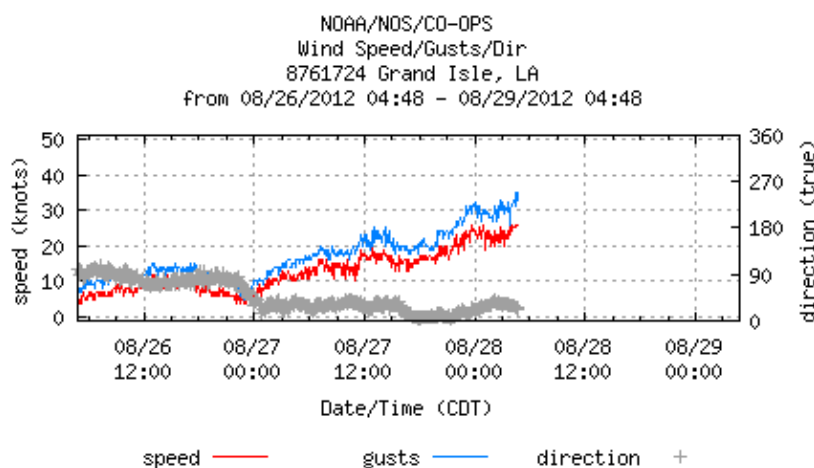


Last Observed Sample: 08/28/2012 04:42 (CDT)

Relative to MLLW: **Observed: 1.98 ft.** **Predicted: 1.24 ft.** **Residual: 0.74 ft.**

Historical Maximum Water Level: Aug 29 2005, 4.54 ft. above MHHW

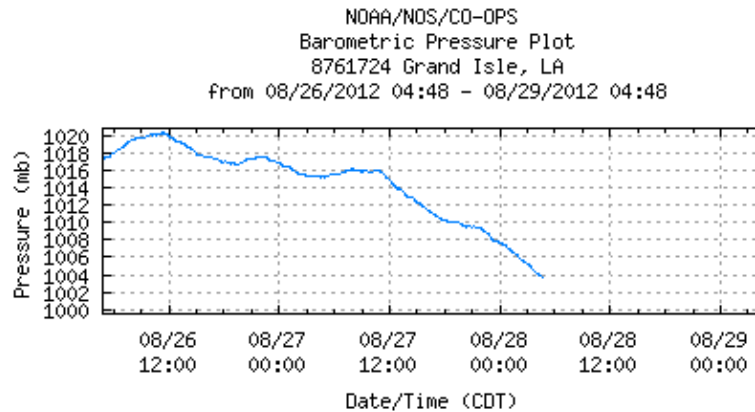
Grand Isle, LA - Return to List



Last Observed Sample: 08/28/2012 04:42 (CDT)

Wind Speed: 26 knots **Gusts: 35 knots** **Direction: 22° T**

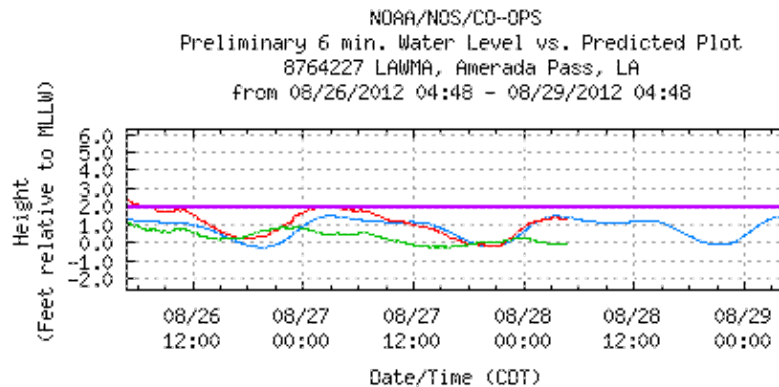
Grand Isle, LA - Return to List



Last Observed Sample: 08/28/2012 04:42 (CDT)

Barometric Pressure: 1003.6 mb

LAWMA, Amerada Pass, LA - Return to List



Predicted Tide —
Observed WL —

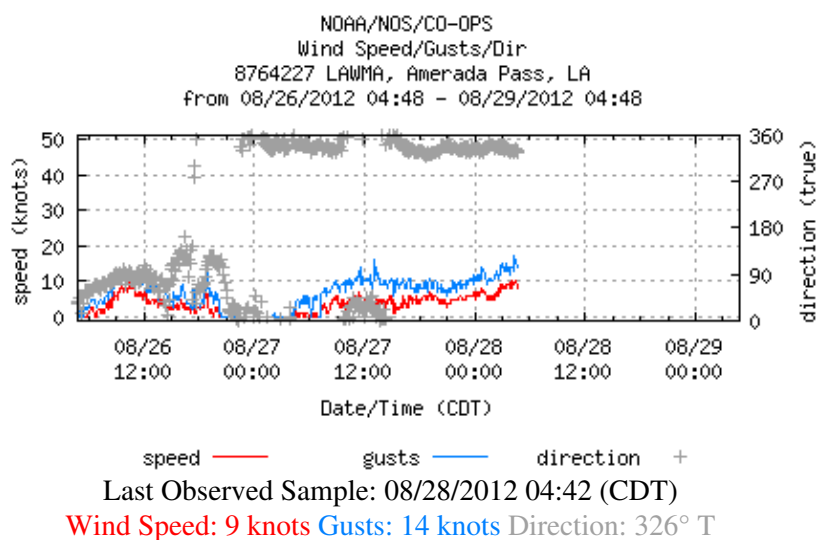
(Obs-Pred) —
HAT —

Last Observed Sample: 08/28/2012 04:42 (CDT)

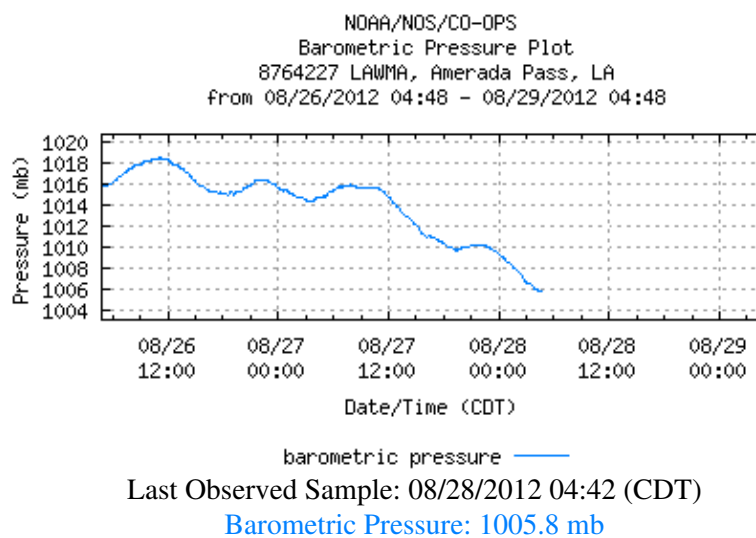
Relative to MLLW: **Observed: 1.32 ft. Predicted: 1.40 ft. Residual: -0.08 ft.**

Historical Maximum Water Level: Sep 12 2008, 5.92 ft. above MHHW

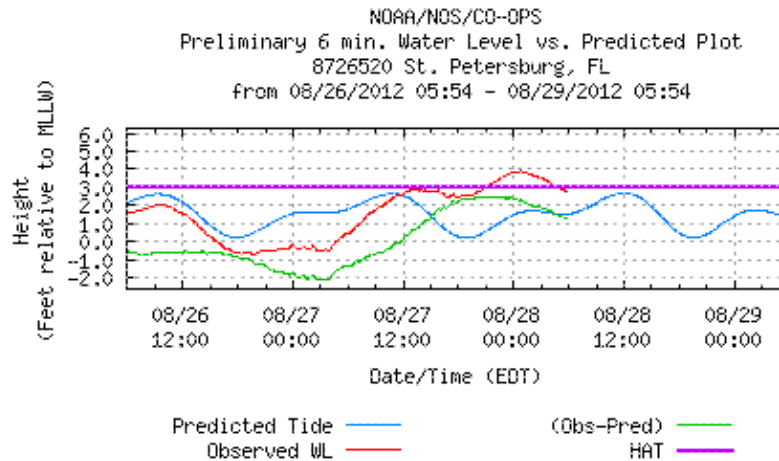
LAWMA, Amerada Pass, LA - Return to List



LAWMA, Amerada Pass, LA - Return to List



St. Petersburg, FL - Return to List

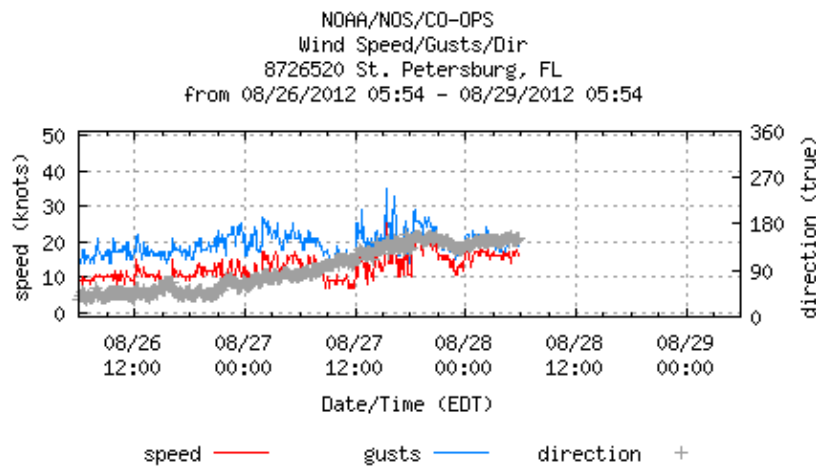


Last Observed Sample: 08/28/2012 05:42 (EDT)

Relative to MLLW: **Observed: 2.79 ft.** **Predicted: 1.50 ft.** **Residual: 1.29 ft.**

Historical Maximum Water Level: Aug 31 1985, 4 ft. above MHHW

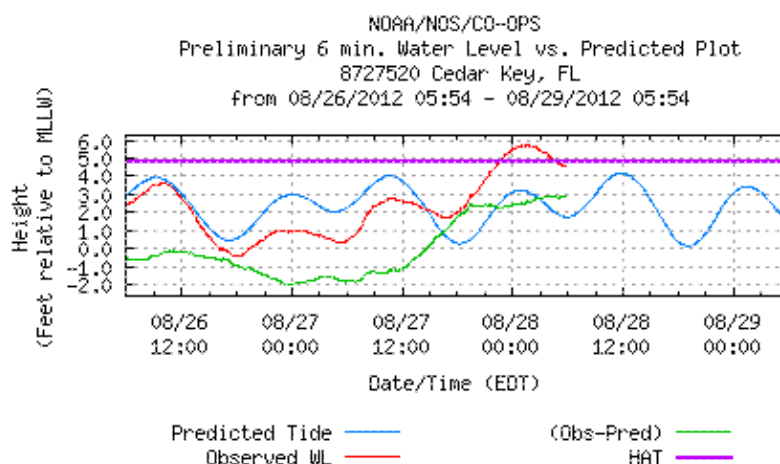
St. Petersburg, FL - Return to List



Last Observed Sample: 08/28/2012 05:42 (EDT)

Wind Speed: 16 knots **Gusts: 19 knots** **Direction: 153° T**

Cedar Key, FL - Return to List

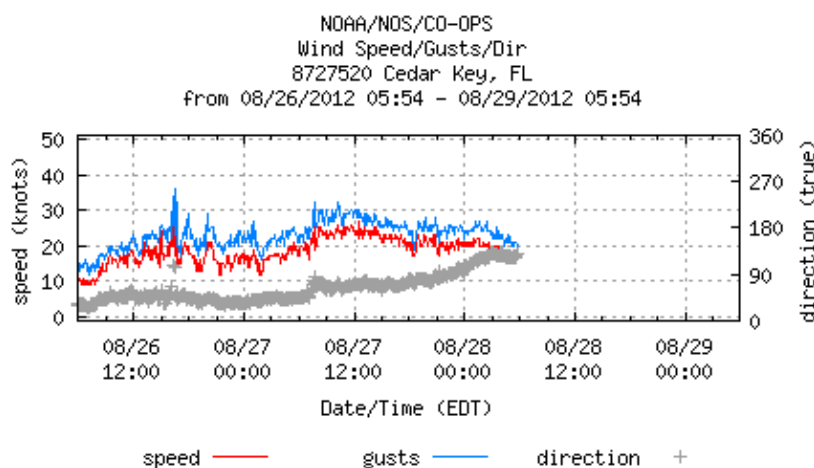


Last Observed Sample: 08/28/2012 05:42 (EDT)

Relative to MLLW: **Observed: 4.58 ft.** **Predicted: 1.75 ft.** **Residual: 2.83 ft.**

Historical Maximum Water Level: Oct 7 1996, 5.15 ft. above MHHW

Cedar Key, FL - Return to List



Last Observed Sample: 08/28/2012 05:42 (EDT)

Wind Speed: 17 knots **Gusts: 20 knots** **Direction: 129° T**

Tropical Storm ISAAC QuickLook, POSTED 05:00 CDT 08/28/2012

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce